

## Open Literature Review Summary

**Chemical Name:** Imidacloprid

**CAS No:** 138261413

**MRID:** 47699419

### Record Number and Citation:

Schmuck,R., Schoning,R, “Residues of imidacloprid and imidacloprid metabolites in nectar, blossom, pollen and honey bees sampled from a French summer rape field and effects of these residues on foraging honeybees.”

### Summary of Study Findings:

This study was in compliance with good practice practices. The summer rape was treated with Poncho FS 500 at concentrations of 5kg/ha. Small honeybee colonies were caged on the plots and allowed to foraging for 4 days July 15 – 18, 1998.

Samples from all fields were collected. These samples consisted of bees before exposure, rape nectar collected by the bees, nectar directly from the plant, rape blossom and rape pollen collected by bees. All samples were below the limit of quantitation of 0.01mg/kg. In the control field samples were collected from honeybee before exposure, nectar from the plants, and rape blossom. In the control field, sampling was not conducted on nectar or pollen that the bees foraged on.

The author concluded that no visible negative behavioral effects were documented with bees foraging on treated summer rape.

### Rationale for Use:

This study confirmed interaction between honeybees and treated summer rape with no negative side effects to the bee.

### Limitations of Study:

Honeybees, after exposure were not tested for any imidacloprid and metabolites present.